

**ARCO Oil and Gas Company**

**Well History - Initial Report - Daily**

Instructions: Prepare and submit the "Initial Report" on the first Wednesday after a well is spudded or workover operations are started. Daily work prior to spudding should be summarized on the form giving inclusive dates only.

District <b>WESTERN</b>	County, parish or borough <b>COLUMBIA</b>	State <b>OR</b>
Field <b>MIST</b>	Lease or Unit <b>JOHNSTON</b>	Well no. <b>44-19-65</b>
Auth. or W.O. no. <b>API: #009-00233</b>	Title <b>NEW DRILL</b>	

1379'N & 912'W F/ SE COR S19/T6N/R5W, WB&M

Operator <b>ARCO OIL AND GAS COMPANY</b>	ARCC W.I. <b>100%</b>
Spudded or W.O. begun <b>SPUDDED</b>	Date <b>07/21/88</b>
	Hour <b></b>
	Prior status if a W.O. <b></b>

Date and depth as of 8:00 a.m.	Complete record for each day reported
-1 7-21-88	JOHNSTON 44-19-65 (C.C., OR) Paul Graham #4 AFE #R46877 TD: 30' (0') MIRU (10-3/4" @ 36') SHL: S88°04'W 912.22' & N1°55'W 1377.93 f/SE Corner Sec 19/T6N/R5W BHL: 481.22' S35°35'E @ 2330' MIRU
1/2 7-24-88	TD: 313' (227') - Drilling MW: 8.7 VIS: 44 MIRU. Accept rig @ 1230 hrs 7/21/88. PU bit on Kelley. Jet rat hole f/ 20' t/ 35'. Hit bone. PU dynadrill. Drill rathole f/ 35'-40'. LD DD. Weld on bell nipple. PU 9-7/8" bit and spud @ 2200 hrs 7/21/88. Drill 9-7/8" hole for 36'-313'.
3-1/2 7-25-88	TD: 1302' (989') Drilling MW: 8.9 VIS: 44 (7" @ 445') Drill 9-7/8" hole f/ 313' - 445'. CBU. Survey @ 445' (1°). Wiper hole t/ 36' (No fill). CC mud for csg. POOH. LD 6" DC's. RR 11 jts 7" 23# K-55 LTC csg. Shoe @ 445'. Pump 200 sx G + 2% CaCl2 + 1/4 #/sx Flocele. 15 bbls cmt to surface. Did not bump plug. Floats did not hold. Shut in well with 200 psi. CIP @ 1444 hrs. 7/22/88. WOC. Weld on 7" SOW. Test same to 1500 psi. NU BOPE. Test BOPE and casing to 1000 psi, witnessed by DOGMI. Drill out cmt f/ 397' to 430'. Re-test csg to 1000 psi. Line manifold broke. WOE. Repair manifold. Drill out shoe @ 445'. Drill 6-1/4" hole to 490'. CBU. POOH f/ Dynadrill. PU DD and 1° KS. RIH. Orient DD. Drill and survey 6-1/4" hole f/ 490' to 768'. CBU. POOH and PU 1-1/2° KS. RIH orient DD. Dynadrill 6-1/4" hole f/ 768' - 975'. CBU. POOH and PU 2° KS and new bit. RIH. Orient DD. Drill and survey f/ 975' - 1161'. Unable to survey after several attempts, tool would not go down. CBU. POOH. LD DD. PU building assembly. RIH to 1161'. Drill 6-1/4" hole f/ 1161' - 1210'. CBU. Survey @ 1185'. Wipe hole f/ 1210' to 900' (free). Drill f/ 1210' to 1302'.
4-1/2 7-26-88	TD: 1771' (469') - Drilling w/mud motor MW: 10.6 VIS: 44 CC mud. Survey @ 1278' (18° S37E). Drill 6-1/4" hole f/1302'-1366'. Survey @ 1341' (18°45' S37E). POOH. PU locked assy. RIH t/1366' (no fill). Drill 6-1/4" hole f/1366'-1655'. Survey @ 1589' (17° S35E). CBU. POOH. MU 60' building assy. RIH. Ream f/1235'-1655'. Drill 6-1/4" hole f/1655'-1771'. CBU. Survey @ 1746' (15°45' S30E). CBU. Pump hi vis sweep. POOH (swabbed f/1471'-1220'). RIH t/1615'. Hit bridge. Ream 1615'-1652'. RIH t/1771'. CC mud-raise wt t/10.6 ppg. POOH. PU DD. RIH t/1771' (no fill). Survey @ 1771'.

Signature <i>E. Hatto</i>	Date <b>3/3/89</b>	Title <b>DISTRICT DRILLING ENGINEER</b>
For use by the District Drilling Engineer and distribution. Manual, Section 10, 11 and 17.		